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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/687,824	10/20/2003	Pascal Gauthier	117466	9911
25944	7590	11/16/2005	EXAMINER	
OLIFF & BERRIDGE, PLC P.O. BOX 19928 ALEXANDRIA, VA 22320			SALATA, ANTHONY J	
			ART UNIT	PAPER NUMBER
			2837	

DATE MAILED: 11/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/687,824

Applicant(s)

GAUTHIER ET AL.

Examiner

Jonathan Salata

Art Unit

2837

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 October 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 11-13-03 4-12-05
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_

Art Unit: 2837



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Washington, D.C. 20231

Paper No:11102005  
Application No:10/687824  
Filing Date: October 20,2003

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. It should be brief but technically accurate and descriptive, preferably from two to seven words. See 37 CFR 1.72(a).

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the parking brake jaws must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may

Art Unit: 2837

be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 14,16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite in that it fails to point out what is included or excluded by the claim language. This claim is an omnibus type claim.

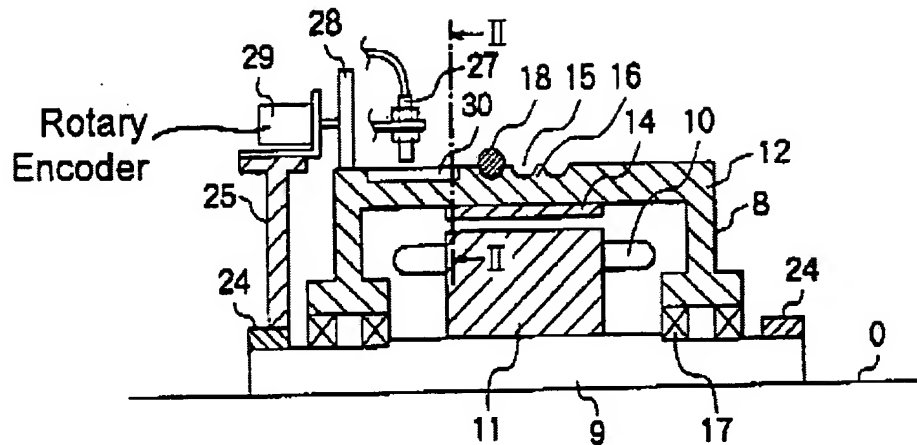
5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-3,9,13-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Tauchi et al (6328136).

Tauchi et al teaches in figures 1-12, an elevator drive machine.



- 1) Stator 11, rotor 12 which rotates about the stator having tubular shape (see figure 5), and permanent magnets 14 and pulley (sheave) 16.
- 2) Windings on 11 (not shown) and pulley (sheave) 16 which overlies.
- 3) Laminations 14
- 9) Bearings 17.
- 13, 15) Supports 7.
- 14) Elevator car 2.
- 16) Cable (not numbered) between car 2 and counterweight 2 on sheave 8.

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 7, 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tauchi et al and Honda (4960186).

Art Unit: 2837

Tauchi et al does not illustrate the specific pulley, rotor structure.

Honda teaches that due to strength and weight considerations, it is advantageous to provide a pulley 14d at one end of an outer rotor 15 of an elevator 8 lifting motor. As illustrated, the sheave is not solid and is placed at one end of the rotor.

Thus, to utilize the displaced sheave to reduce the weight and increase the strength in an outer rotor hoist for an elevator, would have been an obvious engineering design choice to one of ordinary skill in the art.

9. Claims 10-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tauchi et al and Honda as applied to claims 7,8 above, and further in view of Tosato et al (4355785) and applicants admitted prior art.

Tauchi et al and Honda do not teach a disk brake for the motor.

Applicant states that conventional brakes may be utilized.

Tosato et al teaches a typical disk brake 58 at the end of a sheave 12 of a hoisting motor. As illustrated, disk 56 is placed at the end.

Thus, to utilize a conventional disk brake as stated by applicant, would have been an obvious engineering design choice to one of ordinary skill in the art.

10. Claims 4-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tauchi et al and Honda as applied to claims 1-3 above, and further in view of Ivanto et al (4771197) and applicants admitted prior art.

Tauchi et al and Honda do not illustrate the specific rotor structure.

Applicant states that the rotor may be made of a solid material as well as optionally made integral with the pulley.

Ivanto et al teaches in figures 1-2, a squirrel cage motor with an outer rotor for an elevator hoist.

As illustrated, the stator and rotor do not overlap at the heads as well as the cylinder 1 not overlapping the heads of the rotor.

Art Unit: 2837

Thus, the option of motor rotor structure would have been an obvious substitution as suggested by applicant.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ericson is cited to illustrate sheave cooling channels, Aulanko et al., Watanabe, Hakala '937, '060, Fraser, Nagata et al., Vertesy and Miyoshi et al are cited to illustrate similar outer rotor hoist motors for elevators.

A shortened statutory period for response to this action is set to expire 3 months from the date of this letter.

Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Any inquiry of a **general nature** should be directed to the **Group receptionist whose telephone number is (571) 272-2800**.

**Information regarding the STATUS of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either private PAIR or public PARI. Status information for unpublished applications is available through Private PAIR ONLY. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Any questions on access to PAIR, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).**

Papers related to this application may be submitted to Group 2800 by facsimile transmission. Papers should be faxed to Group 2800 via the PTO 2800 Fax Center located at Crystal Plaza 4. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 O.G. 30 (November 15, 1989). The Group 2800 Fax Center number is (703) 872-9306.

For assistance in **Patent procedure, fees or general Patent questions** calls should be directed to the **Patents Assistance Center (PAC) whose telephone number is 800-786-9199**. Assistance is also available on the Internet at [www.uspto.gov](http://www.uspto.gov).

**For requesting copies of Cited Art, Office Actions or the like, or General Problem solving, calls should be directed to the TC 2800 Customer Service Office whose telephone number is 703-306-3329 or by fax at 703-306-5515.**

Any inquiry concerning **this communication or earlier communications from the examiner** should be directed to **Jonathan Salata whose telephone number is (571) 272-2073**. The examiner can normally be reached on Monday through Thursday from 7:30 am to 2:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Martin, can be reached on (571) 272-2107.  
ajs

Application/Control Number: 10/687,824

Page 7

Art Unit: 2837

November 10, 2005

  
JONATHAN SALATA  
PRIMARY EXAMINER  
ART UNIT 2837